

Amendments to the Claims:

The following listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A method of managing power in a data processing system, comprising:
monitoring a system parameter indicative of power consumption;
responsive to determining that the parameter ~~differs from~~ is greater than a specified first threshold, causing a guest of the system to de-allocate a portion of system memory allocated by the guest by causing an operating system of the system to de-allocate said portion of system memory by invoking a balloon code device driver of said operating system to request memory, wherein said balloon code device driver requests said operating system to allocate memory to ~~it~~ said balloon code device driver; and
reclaiming by a ~~hypervisor~~ hypervisor the portion of system memory requested by said balloon code device driver and, responsive thereto, reducing system memory power consumption.
- 2 – 20. (Canceled)
21. (New) The method as claimed in claim 1, wherein said system parameter includes system temperature.
22. (New) The method as claimed in claim 1, wherein said system parameter includes system power consumption.
23. (New) The method as claimed in claim 1, wherein reducing system power consumption comprises powering down said portion of system memory reclaimed by said hypervisor.
24. (New) The method as claimed in claim 1, further comprising:
in response to determining that said parameter is less than said specified first threshold, determining if said parameter is greater than a specified second threshold.

25. (New) The method as claimed in claim 24, further comprising:

in response to determining that said parameter is greater than said specified second threshold, determining if said portion of system memory allocated by said guest is sufficient to handle a current load; and,

in response to determining that said portion of system memory allocated by said guest is sufficient to handle said current load, invoking said balloon code device driver to request said operating system to allocate memory to said balloon code device driver.

26. (New) The method as claimed in claim 24, further comprising:

in response to determining that said parameter is less than said specified second threshold, determining if system performance is unacceptable; and,

if said system performance is unacceptable, invoking said balloon code device driver to release memory allocated to said balloon code device driver.

27. (New) The method as claimed in claim 1, wherein reducing wherein reducing system power consumption comprises:

compacting allocated pages; and,

powering down said portion of system memory reclaimed by said hypervisor.